



431 River Road
Bow, NH 03304

May 14, 2019

Submitted on-line via NetDMR

U.S. Environmental Protection Agency
Water Technical Unit (SMR-04)
OES4 – SMR
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Reference: NPDES Permit No. NH0001465, Merrimack Station, GSP Merrimack LLC, issued June 25, 1992, modified October 22, 1992, modified January 10, 2018.

Dear Sir/Madam:

Merrimack Station
Monthly NPDES Discharge Monitoring Report
April 2019

In compliance with Part I, Section B.1., of the NPDES permit (see Reference), Granite Shore Power LLC (GSP) herein submits the monthly NPDES report for Merrimack Station for the month of April. With the exception of Outfall 003A, all sampling and analyses were conducted by station personnel in accordance with EPA approved procedures referenced at 40 CFR Part 136. Eastern Analytical, Inc. of Concord, NH, performed the total suspended solids and oil and grease analyses on the monthly grab samples collected at Outfall 003A. There were no oily sheens, floating solids, or foam observed in any of the outfall discharges in other than trace amounts. There were no permit noncompliances recorded during the month.

As instructed by the agencies, GSP now reports a concentration of zero (“0”) when the analytical result is less than the method detection limit (MDL). For this report, the following MDLs were used: Total Residual Oxidants = 0.05 mg/l (SM 4500-C1 E – 2011); Oil & Grease = 5.0 mg/l (EPA 1664B); Total Suspended Solids = 5.0 mg/l (SM 2540D – 2011).

May 14, 2019

The pH at Outfall 003 (Station S-0) dropped below 6.5 SU on several days towards the end of the month. Compliance was maintained with the permit however, as the effluent pH closely tracked the naturally occurring river pH at Station N-5 (see the attached data sheets), and any discrepancies were within the analytical limits of the equipment accuracy and precision. As such, these low pH values were not the result of activities at Merrimack Station and so *should not be recorded as violations in the Integrated Compliance Information System, Enforcement and Compliance History Online, or any other EPA compliance database.*

This report is required by, and prepared specifically for, the U.S. Environmental Protection Agency (EPA). It presents truly, accurately and completely, the observed measurements and analyses required by the EPA to be performed or submitted, but only such observed results. It is not intended as an assertion of the accuracy of any instrument, reading, or analytical result, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions regarding this report, please call Allan Palmer, Senior Engineer, at (603) 230-7951.

Sincerely,

GRANITE SHORE POWER



Elizabeth H. Tillotson

Executive Director of Administration & Regulatory Affairs

Enclosures

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2019

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/19	6.93	1915	6.88	6.83	0315	96
04/02/19	6.89	1000	6.87	6.85	2315	96
04/03/19	6.86	0400	6.84	6.81	0000	96
04/04/19	6.84	1330	6.82	6.79	0445	96
04/05/19	6.84	2145	6.82	6.80	0515	96
04/06/19	6.84	0745	6.81	6.78	1730	96
04/07/19	6.83	0345	6.80	6.77	1230	96
04/08/19	6.85	2115	6.82	6.79	0845	96
04/09/19	6.88	1615	6.85	6.82	0615	96
04/10/19	6.87	1345	6.86	6.84	0745	96
04/11/19	6.88	1115	6.85	6.82	2300	96
04/12/19	6.83	0815	6.81	6.77	1945	96
04/13/19	6.84	0315	6.80	6.74	1600	96
04/14/19	6.86	2015	6.83	6.80	0130	96
04/15/19	6.87	0700	6.85	6.82	1330	96
04/16/19	6.85	0045	6.80	6.77	1900	96
04/17/19	6.79	0030	6.73	6.70	1430	96
04/18/19	6.76	2100	6.73	6.71	1015	94
04/19/19	6.77	1930	6.75	6.72	0945	96
04/20/19	6.77	2015	6.75	6.73	0915	96
04/21/19	6.76	0245	6.73	6.69	2245	96
04/22/19	6.72	0545	6.67	6.63	1500	96
04/23/19	6.65	0015	6.59	6.53	1530	96
04/24/19	6.62	2315	6.58	6.55	1030	96
04/25/19	6.63	1330	6.60	6.56	1015	95
04/26/19	6.68	2100	6.65	6.62	0815	96
04/27/19	6.69	0030	6.67	6.63	0830	96
04/28/19	6.70	2300	6.68	6.65	1000	96
04/29/19	6.70	0015	6.66	6.63	1145	96
04/30/19	6.66	2330	6.64	6.61	1000	96
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AVERAGE	6.79		6.76	6.72		
STD DEV.:	0.09		0.09	0.09		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR April 2019

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/19	7.26	2100	7.22	7.18	0800	96
04/02/19	7.26	1845	7.22	7.17	0715	96
04/03/19	7.28	1130	7.24	7.17	0945	96
04/04/19	7.55	0730	7.18	7.06	1230	96
04/05/19	7.31	1300	7.25	7.14	1115	96
04/06/19	7.29	2000	7.26	7.15	1245	96
04/07/19	7.27	0030	7.21	7.12	0000	96
04/08/19	7.21	1000	7.16	7.14	0200	96
04/09/19	7.18	0845	7.15	7.12	1830	96
04/10/19	7.68	0730	7.17	7.11	0515	96
04/11/19	7.26	1815	7.20	7.09	0530	96
04/12/19	7.21	0015	7.16	7.14	2115	96
04/13/19	7.18	1630	7.15	7.10	0800	96
04/14/19	7.20	2345	7.15	7.09	0645	96
04/15/19	7.23	1515	7.18	7.13	0300	96
04/16/19	7.27	2315	7.11	7.04	1445	96
04/17/19	7.33	1715	7.26	7.05	1045	95
04/18/19	7.31	0615	7.28	7.18	2215	96
04/19/19	7.27	0800	7.22	7.20	2330	96
04/20/19	7.26	1315	7.17	7.09	0945	96
04/21/19	7.36	2245	7.24	7.13	0415	96
04/22/19	7.43	1415	7.32	6.97	2030	96
04/23/19	7.42	1715	7.29	6.98	2330	96
04/24/19	7.43	1630	7.19	6.93	0445	96
04/25/19	7.30	0145	6.78	6.31	2030	96
04/26/19	6.57	1030	6.41	6.23	1630	96
04/27/19	6.51	1845	6.40	6.19	0600	96
04/28/19	6.52	1645	6.44	6.35	1015	96
04/29/19	6.40	1615	6.36	6.28	0915	96
04/30/19	6.42	1645	6.36	6.29	1245	96
AVERAGE	7.17		7.06	6.94		
STD DEV.:	0.33		0.32	0.34		